

ABSTRACT

5 A mechanism to measure voice call quality in a Voice
over IP (VOIP) network using a single voice call quality test
probe is described. VOIP communications devices, such as
gateways, that are deployed at various points along the border
of the VOIP network each are configured to play an embedded
reference voice file in response to test calls placed by the
10 test probe to those devices. The test probe measures voice
call quality by recording the played voice file and comparing
it to the test probe's own copy of the reference voice file.
The comparison uses a standard voice call quality analysis
algorithm, such as Perceptual Analysis Measurement System
15 (PAMS) or Perceptual Speech Quality Measurement (PSQM).

20217236.doc